

WEST Search History

DATE: Thursday, October 27, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	L1 with myceliophthora	52
<input type="checkbox"/>	L1	laccase with (variant or muta\$4 or substitut\$3)	281

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 52 returned.

☐ 1. Document ID: US 20040170822 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 52

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170822

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170822 A1

TITLE: Coating compositions for modifying hard surfaces

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rohrbaugh, Robert Henry	Hamilton	OH	US
McDonald, Michael Ray	Middletown	OH	US
Carter, John David	Newcastle-Upon-Tyne	OH	GB
Gosselink, Eugene Paul	Cincinnati	OH	US
Ghosh, Chanchal Kumar	West Chester	OH	US
Jordan, Glen Thomas IV	Indian Springs	OH	US
O'Connor, Helen Frances	Loveland	OH	US
Liddle, Heather Anne	Cincinnati		US
Evers, Marc Francois	Strombeek-Bever		BE

US-CL-CURRENT: [428/323](#); [427/372.2](#), [427/376.1](#), [428/702](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 20040102350 A1

L2: Entry 2 of 52

File: PGPB

May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040102350

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040102350 A1

TITLE: Compositions for treating shoes and methods and articles employing same

PUBLICATION-DATE: May 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Baker, Keith Homer	Cincinnati	OH	US
Siklosi, Michael Peter	Cincinnati	OH	US
Na, Henry Cheng	Cincinnati	OH	US
Strang, Janine Morgens	Cincinnati	OH	US
Haeggberg, Donna Jean	Cincinnati	OH	US
Scheper, William Michael	Lawrenceburg	IN	US
Sheets, Connie Lynn	Cincinnati	OH	US
Tollens, Fernando Ray	Indian Hill	OH	US
Murray, Michael Glen	South Lebanon	OH	US
Creedon, Michael Timothy	Cincinnati	OH	US
Wahl, Errol Hoffman	Cincinnati	OH	US
Trinh, Toan	Maineville	OH	US
Sadlowski, Eugene Steven	Cincinnati	OH	US
Becks, Vincent John	Liberty Township	OH	US

US-CL-CURRENT: 510/405

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 3. Document ID: US 20040049859 A1

L2: Entry 3 of 52

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040049859

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040049859 A1

TITLE: Enzyme composition for bleaching human keratinous fibres and bleaching method

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lang, Gerard	Saint Prix		FR
Plos, Gregory	Paris		FR

US-CL-CURRENT: 8/405

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 4. Document ID: US 20040040097 A1

L2: Entry 4 of 52

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040040097

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040040097 A1

TITLE: Coloring composition for keratin fibres comprising a system limiting the transcutaneous passage of an oxidation dye

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dreher, Frank	Paris		FR
Pruche, Francis	Senlis		FR

US-CL-CURRENT: 8/405

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20040025265 A1

L2: Entry 5 of 52

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040025265

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040025265 A1

TITLE: Enzyme composition for bleaching human keratinous fibres and bleaching method

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lang, Gerard	Saint Prix		FR
Plos, Gregory	Paris		FR

US-CL-CURRENT: 8/405

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 20030180466 A1

L2: Entry 6 of 52

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030180466

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030180466 A1

TITLE: Long lasting coatings for modifying hard surfaces and processes for applying the same

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Rohrbaugh, Robert Henry	Hamilton	OH	US
Goldstein, Alan Scott	Blue Ash	OH	US
McDonald, Michael Ray	Middletown	OH	US
O'Connor, Helen Frances	Loveland	OH	US
Liddle, Heather Anne	Cincinnati	OH	US
Jensen, John Michael	Wyoming	OH	US
Sakkab, Nabil Yaqub	Cincinnati	OH	US

US-CL-CURRENT: 427/372.2; 427/162, 427/407.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 7. Document ID: US 20030159706 A1

L2: Entry 7 of 52

File: PGPB

Aug 28, 2003

PGPUB-DOCUMENT-NUMBER: 20030159706

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030159706 A1

TITLE: Enzyme composition for bleaching human keratinous fibres and bleaching method

PUBLICATION-DATE: August 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lang, Gerard	Saint Prix		FR
Plos, Gregory	Paris		FR

US-CL-CURRENT: 132/208

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 8. Document ID: US 20030114331 A1

L2: Entry 8 of 52

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030114331

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030114331 A1

TITLE: Compositions for treating shoes and methods and articles employing same

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Baker, Keith Homer	Cincinnati	OH	US
Siklosi, Michael Peter	Cincinnati	OH	US

Na, Henry Cheng	Cincinnati	OH	US
Strang, Janine Morgens	Cincinnati	OH	US
Scheper, William Michael	Lawrenceburg	IN	US
Sadlowski, Eugene Steven	Cincinnati	OH	US
Becks, Vincent John	Liberty Township	OH	US

US-CL-CURRENT: [510/276](#); [510/426](#), [510/475](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 9. Document ID: US 20030040455 A1

L2: Entry 9 of 52

File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030040455

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030040455 A1

TITLE: Process for removal of excess disperse dye from printed or dyed textile material

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shi, Caroline	Raleigh	NC	US
Lund, Henrik	Skodsborg		DK
Vogt, Uwe	Monheim		DE

US-CL-CURRENT: [510/392](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 10. Document ID: US 20020192792 A1

L2: Entry 10 of 52

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020192792

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020192792 A1

TITLE: Laccase mutants

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Schneider, Palle	Ballerup		DK
Danielsen, Steffen	Copenhagen		DK
Svendsen, Allan	Hoersholm		DK

US-CL-CURRENT: [435/200](#); [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw De
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☐ 31. Document ID: US 6750188 B2

Using default format because multiple data bases are involved.

L2: Entry 31 of 52

File: USPT

Jun 15, 2004

US-PAT-NO: 6750188

DOCUMENT-IDENTIFIER: US 6750188 B2

TITLE: Compositions for treating shoes and methods and articles employing same

DATE-ISSUED: June 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baker; Keith Homer	Cincinnati	OH		
Siklosi; Michael Peter	Cincinnati	OH		
Na; Henry Cheng	Cincinnati	OH		
Strang; Janine Morgens	Cincinnati	OH		
Haeggberg; Donna Jean	Cincinnati	OH		
Scheper; William Michael	Lawrenceburg	IN		
Sheets; Connie Lynn	Cincinnati	OH		
Tollens; Fernando Ray	Indian Hill	OH		
Murray; Michael Glen	South Lebanon	OH		
Creedon; Michael Timothy	Cincinnati	OH		
Wahl; Errol Hoffman	Cincinnati	OH		
Trinh; Toan	Maineville	OH		
Sadlowski; Eugene Steven	Cincinnati	OH		
Becks; Vincent John	Liberty Township	OH		

US-CL-CURRENT: [510/275](#); [510/276](#), [510/405](#), [510/434](#), [510/477](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Generate OACS	Attachments	Claims	KWC	Draw Data
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☐ 32. Document ID: US 6733539 B2

L2: Entry 32 of 52

File: USPT

May 11, 2004

US-PAT-NO: 6733539

DOCUMENT-IDENTIFIER: US 6733539 B2

**** See image for Certificate of Correction ****

TITLE: Compositions for the oxidation dyeing of keratinous fibers comprising at least one oxidation dye and at least one enzymatic oxidizing agent, and dyeing methods

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 33. Document ID: US 6730133 B1

L2: Entry 33 of 52

File: USPT

May 4, 2004

US-PAT-NO: 6730133

DOCUMENT-IDENTIFIER: US 6730133 B1

**** See image for Certificate of Correction ****

TITLE: Compositions for oxidation dyeing of at least one keratinous fibre and dying processes using these compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 34. Document ID: US 6726362 B1

L2: Entry 34 of 52

File: USPT

Apr 27, 2004

US-PAT-NO: 6726362

DOCUMENT-IDENTIFIER: US 6726362 B1

TITLE: Shoe bags for use in laundering process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 35. Document ID: US 6716808 B1

L2: Entry 35 of 52

File: USPT

Apr 6, 2004

US-PAT-NO: 6716808

DOCUMENT-IDENTIFIER: US 6716808 B1

TITLE: Detergent compositions comprising hybrid zeolite builders containing an occluded nonsilicate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 36. Document ID: US 6599328 B1

L2: Entry 36 of 52

File: USPT

Jul 29, 2003

US-PAT-NO: 6599328

DOCUMENT-IDENTIFIER: US 6599328 B1

**** See image for Certificate of Correction ****

TITLE: Composition for the oxidation dyeing of keratin fibers and dyeing process using this composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 37. Document ID: US 6503876 B1

L2: Entry 37 of 52

File: USPT

Jan 7, 2003

US-PAT-NO: 6503876

DOCUMENT-IDENTIFIER: US 6503876 B1

TITLE: Stable non-aqueous liquid laundry detergents comprising low density particles

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 38. Document ID: US 6409772 B1

L2: Entry 38 of 52

File: USPT

Jun 25, 2002

US-PAT-NO: 6409772

DOCUMENT-IDENTIFIER: US 6409772 B1

TITLE: Use of hydroxystilbenes for dyeing, ready-to-use composition containing them and dyeing process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 39. Document ID: US 6277611 B1

L2: Entry 39 of 52

File: USPT

Aug 21, 2001

US-PAT-NO: 6277611

DOCUMENT-IDENTIFIER: US 6277611 B1

TITLE: Laccase mutants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 40. Document ID: US 6140092 A

L2: Entry 40 of 52

File: USPT

Oct 31, 2000

US-PAT-NO: 6140092

DOCUMENT-IDENTIFIER: US 6140092 A

TITLE: Laccase mutants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Assignments	Claims	KMIC	Draw De
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Terms		Documents			
L1 with myceliophthora		52			

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☐ 41. Document ID: US 6060442 A

Using default format because multiple data bases are involved.

L2: Entry 41 of 52

File: USPT

May 9, 2000

US-PAT-NO: 6060442

DOCUMENT-IDENTIFIER: US 6060442 A

TITLE: Laccase mutants

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Svendsen; Allan	Birker.o slashed.d			DK

US-CL-CURRENT: 510/392; 435/189, 8/101, 8/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 42. Document ID: US 5998353 A

L2: Entry 42 of 52

File: USPT

Dec 7, 1999

US-PAT-NO: 5998353

DOCUMENT-IDENTIFIER: US 5998353 A

TITLE: Laccase mutants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 43. Document ID: US 5972670 A

L2: Entry 43 of 52

File: USPT

Oct 26, 1999

US-PAT-NO: 5972670

DOCUMENT-IDENTIFIER: US 5972670 A

**** See image for Certificate of Correction ****

TITLE: Blue copper oxidase mutants with enhanced activity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 44. Document ID: US 5948121 A

L2: Entry 44 of 52

File: USPT

Sep 7, 1999

US-PAT-NO: 5948121

DOCUMENT-IDENTIFIER: US 5948121 A

TITLE: Laccases with improved dyeing properties

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 45. Document ID: US 5925554 A

L2: Entry 45 of 52

File: USPT

Jul 20, 1999

US-PAT-NO: 5925554

DOCUMENT-IDENTIFIER: US 5925554 A

TITLE: Myceliophthora and scytalidium laccase variants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 46. Document ID: US 5770419 A

L2: Entry 46 of 52

File: USPT

Jun 23, 1998

US-PAT-NO: 5770419

DOCUMENT-IDENTIFIER: US 5770419 A

TITLE: Mutants of Myceliophthora laccase with enhanced activity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 47. Document ID: WO 9827197 A1

L2: Entry 47 of 52

File: EPAB

Jun 25, 1998

PUB-NO: WO009827197A1

DOCUMENT-IDENTIFIER: WO 9827197 A1

TITLE: MYCELIOPHTHORA AND SCYTALIDIUM LACCASE VARIANTS HAVING IMPROVED STABILITY

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 48. Document ID: WO 200183761 A1, AU 200154622 A, US 20020192792 A1

L2: Entry 48 of 52

File: DWPI

Nov 8, 2001

DERWENT-ACC-NO: 2002-041497
DERWENT-WEEK: 200371
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TITLE: New laccase variants from Coprinus and Myceliophthora thermophila with improved oxidative stability, useful for paper strengthening, dye transfer inhibition, bleaching of textiles and waste water treatment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 49. Document ID: WO 9838287 A1, US 20010031490 A1, AU 9859833 A, US 5985818 A, EP 977833 A1, US 6184015 B1

L2: Entry 49 of 52

File: DWPI

Sep 3, 1998

DERWENT-ACC-NO: 1998-495393
DERWENT-WEEK: 200166
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TITLE: New variants of Coprinus and related laccases with increased oxidation potential - or altered pH optimum, or mediator or oxygen-hydroxide ion pathways, useful for oxidation, for inhibiting dye transfer and in bleaching textiles, especially as detergent additive

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 50. Document ID: WO 9827198 A1, AU 9853101 A, EP 956345 A1, US 5998353 A, US 6140092 A, US 6277611 B1

L2: Entry 50 of 52

File: DWPI

Jun 25, 1998

DERWENT-ACC-NO: 1998-362768
DERWENT-WEEK: 199831
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TITLE: New laccase variants with improved stability - having amino acid changes based on Coprinus laccase structure, used for e.g. oxidation, dye transfer inhibition or bleaching

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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Search Results - Record(s) 51 through 52 of 52 returned.

☐ 51. Document ID: WO 9827197 A1, AU 9877386 A, US 5925554 A, EP 956344 A1

Using default format because multiple data bases are involved.

L2: Entry 51 of 52

File: DWPI

Jun 25, 1998

DERWENT-ACC-NO: 1998-362767

DERWENT-WEEK: 199831

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TITLE: New laccase variants - have amino acid changes in Myceliophthora or Scytalidium laccase(s), used for e.g. oxidation, dye transfer inhibition or bleaching

INVENTOR: ANDERS, H; CHERRY, J R ; RASMUSSEN, G ; SCHNEIDER, P ; SVENDSEN, A ; PEDERSEN, A H ; CHERRY, J

PRIORITY-DATA: 1997DK-0001020 (September 8, 1997), 1996DK-0001450 (December 19, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 9827197 A1</u>	June 25, 1998	E	030	C12N009/02
<u>AU 9877386 A</u>	July 15, 1998		000	C12N009/02
<u>US 5925554 A</u>	July 20, 1999		000	C12N009/02
<u>EP 956344 A1</u>	November 17, 1999	E	000	C12N009/02

INT-CL (IPC): C11 D 3/386; C11 D 9/40; C12 N 9/02; C12 N 9/02; C12 R 1:645; C12 N 9/02; C12 R 1:645

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw D
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☐ 52. Document ID: US 5770419 A

L2: Entry 52 of 52

File: DWPI

Jun 23, 1998

DERWENT-ACC-NO: 1998-376802

DERWENT-WEEK: 200002

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TITLE: Myceliophthora laccase mutants - with altered properties, e.g. optimum pH

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw D
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STN AnaVist, now available
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NEWS 5 AUG 30 CA/CAPplus -Increased access to 19th century research documents
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to core patent offices
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of CAPplus documents for use in third-party analysis and
visualization tools
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NEWS 14 OCT 27 DIOGENES content streamlined
NEWS 15 OCT 27 EPFULL enhanced with additional content

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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=> s laccase (5a) (variant or muta? or substitut?)
8 FILES SEARCHED...
L1 461 LACCASE (5A) (VARIANT OR MUTA? OR SUBSTITUT?)

=> s l1 (5a) myceliophthora
L2 35 L1 (5A) MYCELIOPHTHORA

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 16 DUP REM L2 (19 DUPLICATES REMOVED)

=> d 1-10

L3 ANSWER 1 OF 16 MEDLINE on STN DUPLICATE 1
AN 2005492200 IN-PROCESS
DN PubMed ID: 16103414
TI Screening mutant libraries of fungal laccases in the presence of organic solvents.
AU Alcalde Miguel; Bulter Thomas; Zumarraga Miren; Garcia-Arellano Humberto; Mencia Mario; Plou Francisco J; Ballesteros Antonio
CS Departamento de Biocatalisis, Instituto de Catalisis y Petroleoquimica, CSIC, Madrid, Spain.. malcalde@icp.csic.es
SO Journal of biomolecular screening: official journal of the Society for Biomolecular Screening, (2005 Sep) 10 (6) 624-31. Electronic Publication: 2005-08-15.
Journal code: 9612112. ISSN: 1087-0571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS NONMEDLINE; IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20050916
Last Updated on STN: 20051001

L3 ANSWER 2 OF 16 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:485126 HCAPLUS
DN 139:209904
TI Spectroscopic characterization of the Leu513His variant of fungal laccase: effect of increased axial ligand interaction on the geometric and electronic structure of the type 1 Cu site
AU Palmer, Amy E.; Szilagyi, Robert K.; Cherry, Joel R.; Jones, Aubrey; Xu, Feng; Solomon, Edward I.
CS Department of Chemistry, Stanford University, Stanford, CA, 94305, USA
SO Inorganic Chemistry (2003), 42(13), 4006-4017

CODEN: INOCAJ; ISSN: 0020-1669
PB American Chemical Society
DT Journal
LA English
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 16 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:515429 HCAPLUS
DN 140:212798
TI Colorimetric assays for screening laccases
AU Alcalde, Miguel; Bulter, Thomas
CS Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA, USA
SO Methods in Molecular Biology (Totowa, NJ, United States) (2003), 230(Directed Enzyme Evolution), 193-201
CODEN: MMBIED; ISSN: 1064-3745
PB Humana Press Inc.
DT Journal
LA English
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 16 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:515418 HCAPLUS
DN 139:255960
TI Screening mutant libraries in Saccharomyces cerevisiae
AU Bulter, Thomas; Sieber, Volker; Alcalde, Miguel
CS Department of Chemical Engineering, University of California at Los Angeles, Los Angeles, CA, USA
SO Methods in Molecular Biology (Totowa, NJ, United States) (2003), 230(Directed Enzyme Evolution), 99-107
CODEN: MMBIED; ISSN: 1064-3745
PB Humana Press Inc.
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 16 NTIS COPYRIGHT 2005 NTIS on STN
AN 2002(22):00024 NTIS Order Number: ADA402659/XAB
TI Directed Evolution of Novel Enzyme Activities. Final rept. 15 Apr 1999-14 Apr 2002.
AU Arnold, F. H.
CS California Inst. of Tech., Pasadena. (005100000 071550)
NR ADA402659/XAB
5p; 11 Jun 2002
NC Contract(s): N00014-96-1-0340
DT Report
CY United States
LA English
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OS GRA&I0222

L3 ANSWER 6 OF 16 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:629936 HCAPLUS
DN 138:1179
TI Toxicological Studies on Laccase from Myceliophthora thermophila Expressed in Aspergillus oryzae
AU Brinch, D. S.; Pedersen, P. B.
CS Novozymes A/S, Bagsvaerd, DK-2880, Den.
SO Regulatory Toxicology and Pharmacology (2002), 35(3), 296-307
CODEN: RTPDW; ISSN: 0273-2300
PB Elsevier Science
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 16 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 DUPLICATE 2
 AN 2002-03714 BIOTECHDS
 TI New ***laccase*** ***variants*** from Coprinus and
 Myceliophthora thermophila with improved oxidative stability,
 useful for paper strengthening, dye transfer inhibition, bleaching of
 textiles and waste-water treatment;
 vector-mediated gene transfer and expression in host cell for
 recombinant protein production, surfactant and textile treatment
 AU Schneider P; Danielson S; Svendsen A
 PA Novozymes
 LO Bagsvaerd, Denmark.
 PI WO 2001083761 8 Nov 2001
 AI WO 2001-DK292 30 Apr 2001
 PRAI US 2001-277817 21 Mar 2001; DK 2000-707 28 Apr 2000
 DT Patent
 LA English
 OS WPI: 2002-041497 [05]

L3 ANSWER 8 OF 16 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 DUPLICATE 3
 AN 2000-10379 BIOTECHDS
 TI Laccase variants for oxidizing substrate, inhibiting dye transfer and
 bleaching textiles has increased oxidation potential and/or changed pH
 and/or altered mediatory and/or altered oxygen/hydroxyl group pathways;
 with increased oxidation potential, modified pH optimum, mediator
 efficiency, O2/OH pathway, enzyme engineering
 AU Svendsen A
 PA Novo-Nordisk
 LO Bagsvaerd, Denmark.
 PI US 6060442 9 May 2000
 AI US 1998-28887 24 Feb 1998
 PRAI US 1998-28887 24 Feb 1998
 DT Patent
 LA English
 OS WPI: 2000-375259 [32]

L3 ANSWER 9 OF 16 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 AN 1999:431615 BIOSIS
 DN PREV199900431615
 TI ***Myceliophthora*** and scytalidium ***laccase***
 variants
 AU Pedersen, Anders Hjelholt [Inventor, Reprint author]; Svendsen, Allan
 [Inventor]; Schneider, Palle [Inventor]; Rasmussen, Grethe [Inventor];
 Cherry, Joel [Inventor]
 CS Department of Chemistry, MEMPHYS, Technical University of Denmark,
 DK-2800, Lyngby, Denmark
 ASSIGNEE: Novo Nordisk A/S
 PI US 5925554 19990720
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Jul. 20, 1999) Vol. 1224, No. 3. print.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DT Patent
 LA English
 ED Entered STN: 18 Oct 1999
 Last Updated on STN: 3 May 2000

L3 ANSWER 10 OF 16 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 DUPLICATE 4
 AN 1998-08938 BIOTECHDS
 TI New laccase variants with improved stability;
 mutant recombinant enzyme preparation, for use in e.g. lignin
 modification, paper strengthening, phenol polymerization, hair dyeing,
 textile bleaching and waste-water treatment
 AU Pedersen A H; Svendsen A; Schneider P; Rasmussen G; Cherry J R
 PA Novo-Nordisk
 LO Bagsvaerd, Denmark.
 PI WO 9827198 25 Jun 1998
 AI WO 1997-DK571 16 Dec 1997
 PRAI DK 1997-1021 8 Sep 1997; DK 1996-1449 19 Dec 1996
 DT Patent

LA English
OS WPI: 1998-362768 [31]

=> d 11-16

L3 ANSWER 11 OF 16 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 5
AN 1998-08937 BIOTECHDS
TI New laccase variants;
mutant recombinant enzyme preparation, for use in e.g. lignin
modification, paper strengthening, phenol polymerization, hair dyeing,
textile bleaching and waste-water treatment
AU Pedersen A H; Svendsen A; Schneider P; Rasmussen G; Cherry J R
PA Novo-Nordisk
LO Bagsvaerd, Denmark.
PI WO 9827197 25 Jun 1998
AI WO 1997-DK566 12 Dec 1997
PRAI DK 1997-1020 8 Sep 1997; DK 1996-1450 19 Dec 1996
DT Patent
LA English
OS WPI: 1998-362767 [31]

L3 ANSWER 12 OF 16 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN DUPLICATE 6
AN 2002:110657 BIOSIS
DN PREV200200110657
TI ***Mutants*** of ***myceliophthora*** ***laccase*** with
enhanced activity.
AU Feng, X. [Inventor]; Berka, R. M. [Inventor]; Wahleithner, J. A.
[Inventor]
CS Woodland, Calif., USA
ASSIGNEE: NOVO NORDISK BIOTECH, INC.
PI US 5770419 19980623
SO Official Gazette of the United States Patent and Trademark Office Patents,
(June 23, 1998) Vol. 1211, No. 4, pp. 4040. print.
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 24 Jan 2002
Last Updated on STN: 26 Feb 2002

L3 ANSWER 13 OF 16 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:608693 HCAPLUS
DN 129:213527
TI Three-dimensional structure of Coprinus cinereus laccase and the design of
mutants with improved properties for industrial uses
IN Svendsen, Allan; Xu, Feng
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 148 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9838287	A1	19980903	WO 1998-DK70	19980223
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				
	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,				
	UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,				
	FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,				
	GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9859833	A1	19980918	AU 1998-59833	19980223
	EP 977833	A1	20000209	EP 1998-902972	19980223
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
	US 5985818	A	19991116	US 1998-32315	19980227
	US 6184015	B1	20010206	US 1999-396260	19990915
	US 2001031490	A1	20011018	US 2000-732350	20001207
PRAI	DK 1997-222	A	19970228		

WO 1998-DK70 W 19980223
US 1998-32315 A3 19980227
US 1999-396260 A3 19990915

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 14 OF 16 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:608692 HCAPLUS

DN 129:199808

TI ***Myceliophthora*** and Scytalidium ***laccase*** ***mutants***
with improved properties for industrial use

IN Svendsen, Allan

PA Novo Nordisk A/S, Den.

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9838286	A1	19980903	WO 1998-DK67	19980220
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9859830	A1	19980918	AU 1998-59830	19980220
	EP 972014	A1	20000119	EP 1998-902969	19980220
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
PRAI	DK 1997-221	A	19970228		
	WO 1998-DK67	W	19980220		

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 15 OF 16 MEDLINE on STN

DUPLICATE 7

AN 1998359730 MEDLINE

DN PubMed ID: 9693103

TI Site-directed mutations in fungal laccase: effect on redox potential, activity and pH profile.

AU Xu F; Berka R M; Wahleithner J A; Nelson B A; Shuster J R; Brown S H; Palmer A E; Solomon E I

CS Novo Nordisk Biotech, 1445 Drew Avenue, Davis, CA 95616, USA..

fengxu@nnbt.com

NC DK 31450 (NIDDK)

SO Biochemical journal, (1998 Aug 15) 334 (Pt 1) 63-70.

Journal code: 2984726R. ISSN: 0264-6021.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199810

ED Entered STN: 19981020

Last Updated on STN: 19990129

Entered Medline: 19981008

L3 ANSWER 16 OF 16 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:267291 HCAPLUS

DN 126:248259

TI Blue copper oxidase analogs with substitution, insertion or deletion mutations affecting the type I copper sites

IN Xu, Feng; Berka, Randy M.; Wahleithner, Jill Angela

PA Novo Nordisk Biotech, Inc., USA

SO PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9709431	A1	19970313	WO 1996-US14087	19960903
	W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR,				
	LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR,				
	TT, UA, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,				
	IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,				
	MR, NE, SN, TD, TG				
	ZA 9607411	A	19970416	ZA 1996-7411	19960902
	AU 9671540	A1	19970327	AU 1996-71540	19960903
	EP 850306	A1	19980701	EP 1996-932950	19960903
	EP 850306	B1	20040825		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	AT 274586	E	20040915	AT 1996-932950	19960903
PRAI	US 1995-3142P	P	19950901		
	WO 1996-US14087	W	19960903		

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L1	461 S LACCASE (5A) (VARIANT OR MUTA? OR SUBSTITUT?)
L2	35 S L1 (5A) MYCELIOPHTHORA
L3	16 DUP REM L2 (19 DUPLICATES REMOVED)

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